

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	75	703/6.ccls. and @pd>"20070201"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/07/17 09:40

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L9	5099	flar\$3 and mask	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/07/17 09:42
L10	1882	L9 and (lithograph\$3 or photolithograph\$3)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/07/17 09:42
L11	715	L10 and (proximity or opc or correction)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/07/17 09:44



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"local flare"

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Correction for local flare effects approximated with double Gaussian profile in ArF lithography - all 4 versions »

M Osawa, T Yao, H Aoyama, K Ogino, H Hoshino, Y ... - Journal of Vacuum Science & Technology B: Microelectronics ..., 2003 - link.aip.org

... been developed for correcting line width variations due to midrange flare with a scattering range of over a few tens of micrometers (which we call **local flare** ...

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Effectiveness and confirmation of local area flare measurement method in various pattern layouts - all 3 versions »

D Nam, E Lee, S Jung, YS Kang, G Yeo, J Lee, H Cho ... - Proc. SPIE, 2002 - spie.org

... The LOAFER is designed to measure the local area flare of the lens, that is, the short and mid-range flare and the **local flare** distribution of the exposure ...

[Cited by 5](#) - [Related Articles](#) - [Cached](#) - [Web Search](#)

Local flare effects and correction in ArF lithography - all 2 versions »

T Yao, M Osawa, T Minami, N Yamamoto, H Aoyama, G ... - VLSI Technology, 2003. Digest of Technical Papers. 2003 ..., 2003 - ieeexplore.ieee.org

Page 1. 4B-1 **Local Flare** Effects and Correction in ArF Lithography Teruyoshi Yao, Morimi Osawa, Takayoshi Mind, Norihiro Yamamoto, Hajime Aoyama, Genshi Okuda, ...

[Cited by 3](#) - [Related Articles](#) - [Web Search](#)

Unsteady Aerodynamics of an Ablating Flared Body of Revolution Including Effect of Entropy Gradient - all 2 versions »

LE Ericsson - AZAA Journal, 1968 - pdf.aiaa.org

... **local flare** forces become dynamically destabilizing. ... 2 and the **local "flare"** efficiency" type of effects can easily be computed. It ...

[Cited by 8](#) - [Related Articles](#) - [Web Search](#)

Application of Realistic Model Atmospheres to Eclipse Maps of Accretion Disks: The Effective ... - all 3 versions »

EL Robinson, JH Wood, RA Wade - The Astrophysical Journal, 1999 - journals.uchicago.edu

... 4 1 at the outer edge, giving h/r . This latter relation yields a slope of dh/dr 0.1 at the outer edge of the disk, corresponding to a **local flare** angle of ...

[Cited by 10](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Development of 157-nm full-field scanners - all 3 versions »

H Hata, H Nogawa, S Suda - Proceedings of SPIE, 2004 - link.aip.org

... When compared to ArF, **local flare** increases significantly. However, it has been confirmed that **local flare** can be greatly mitigated ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

The Properties of the Relativistic Iron K-Line in NGC 3516 - all 7 versions »

K Nandra, IM George, RF Mushotzky, TJ Turner, T ... - The Astrophysical Journal, 1999 - journals.uchicago.edu

... the variation in the blue wing could be due to an enhancement in the illuminating flux of the inner disk portion moving toward us, due to a **local flare** (cf. ...



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"local flare" "area density"

1950

- 2004

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[Correction for **local flare** effects approximated with double Gaussian profile in ArF lithography - all 4 versions »](#)

M Osawa, T Yao, H Aoyama, K Ogino, H Hoshino, Y ... - Journal of Vacuum Science & Technology B: Microelectronics ..., 2003 - [link.aip.org](#)

... A much faster correction time than that of OPC was achieved by introducing the **area density** map method. The CD variation due to **local flare** was reduced from 22 ...

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[Local flare effects and correction in ArF lithography - all 2 versions »](#)

T Yao, M Osawa, T Minami, N Yamamoto, H Aoyama, G ... - VLSI Technology, 2003. Digest of Technical Papers. 2003 ..., 2003 - [ieeexplore.ieee.org](#)

... **flare** intensity calculated with the integration of eq. ... In our practical LFC process, we used the **area density** map method[5] to speed up LFC processing. ...

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"local flare" "area density"

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IEEE JNL IEEE Journal or Magazine

IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

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- ☐ 1. **Local flare effects and correction in ArF lithography**
Yao, T.; Osawa, M.; Minami, T.; Yamamoto, N.; Aoyama, H.; Okuda, G.; Sawano, T.; Kamatsuki, I.; Futatsuya, H.; Kobayashi, K.; Ogino, K.; Hoshino, H.; Machida, Y.; Arimoto, H.; Asai, S.; [VLSI Technology, 2003. Digest of Technical Papers, 2003 Symposium on](#)
10-12 June 2003 Page(s):43 - 44
[AbstractPlus](#) | Full Text: [PDF](#)(258 KB) IEEE CNF
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- ☐ 2. **Forward and Backward Scattered Modes in Multimode Nonuniform Transitions**
Tang, C.C.H.; [Microwave Theory and Techniques, IEEE Transactions on](#)
Volume 16, Issue 8, Aug 1968 Page(s):494 - 502
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Nasuno, T.; Matsubara, Y.; Minami, A.; Uchida, N.; Kobayashi, H.; Aoyama, H.; Tsuda, H.; Tsujita, Kobayashi, N.; [Microelectronic Test Structures, 2004. Proceedings, ICMTS '04, The International Conference on](#)
22-25 March 2004 Page(s):23 - 28
[AbstractPlus](#) | Full Text: [PDF](#)(563 KB) IEEE CNF
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- ☐ 4. **Intense electron beam propagation by charge neutralization from a dielectric collimator**
Vijayan, T.; Roychowdhury, P.; Iyyengar, S.K.; [Plasma Science, IEEE Transactions on](#)
Volume 22, Issue 2, April 1994 Page(s):199 - 204
Digital Object Identifier 10.1109/27.279023
[AbstractPlus](#) | Full Text: [PDF](#)(464 KB) IEEE JNL
[Rights and Permissions](#)
- ☐ 5. **2003 Symposium on VLSI Technology, Digest of Technical Papers (IEEE Cat. No.03CH37407**
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Real-time **simulation** of a potential magnetic field in a post-flare arch - all 3 versions »

G Poletto - Solar Physics, 1990 - Springer

... Unfortunately, **proximity** to the limb does not allow one to decide between these two alternatives; it is ... **SIMULATION OF MAGNETIC FIELD 1N A POST-FLARE ARCH** ...

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Comparison of **proximity** effects in contrast enhancement layer and bilayer resist processes - all 3 versions »

E Ong, B Singh, RA Ferguson, AR Neureuther - Journal of Vacuum Science & Technology B: Microelectronics ..., 1987 - link.aip.org

... the CEL process suffers from a large **proximity** effect which is not seen in the **simulation**. ... Another possibility is an increase of **flare** because of high ...

Cited by 8 - [Related Articles](#) - [Web Search](#)

Ground Effect Modeling Using a Hybrid Approach of Inverse **Simulation** and System Identification - all 2 versions »

D Fischenberg - AIAA Modeling and **Simulation** Technologies Conference and ..., 1999 - pdf.aiaa.org

... e. g. the Advisory Circular for Airplane **Simulator** Qualification of ... the aircraft aero- dynamics is influenced by the **proximity** of the ... and **flare** characteristics ...

Cited by 3 - [Related Articles](#) - [Web Search](#)

Simulation of the circuit performance impact of lithography in nanoscale semiconductor manufacturing

M Choi, L Milor, L Capodieci - **Simulation** of Semiconductor Processes and Devices, 2003. ..., 2003 - ieeeexplore.ieee.org

... timing. This paper introduces a method to incorporate the **proximity** effect, lens aberrations, and **flare** in timing **simulation**. Our ...

Cited by 1 - [Related Articles](#) - [Web Search](#)

Potential issues on optical **proximity** correction (OPQ) using double dipole lithography

TB Chiou, S Hsu, M Eurlings, E Hendrickx, A Chen - Microprocesses and Nanotechnology Conference, 2004. Digest ..., 2004 - ieeeexplore.ieee.org

... to properly account for the optical **proximity** effect (OPE ... describe the short- and mid-range **flare** as a ... used as an input parameter in the lithography **simulator**. ...

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Model-based OPC/DRC considering local **flare** effects - all 3 versions »

H Futatsuya, T Yao, M Osawa, K Ogino, H Hoshino, H ... - Proceedings of SPIE, 2004 - link.aip.org

... In particular, an OPC (Optical **Proximity** Correction) tool with ... or shape given by a **simulator** should show ... Local **flare** intensity is calculated from the optical ...

Cited by 2 - [Web Search](#)

Study of ground **proximity** effects on powered-lift STOL landing performance


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M Osawa, T Yao, H Aoyama, K Ogino, H Hoshino, Y ... - Journal of Vacuum Science & Technology B: Microelectronics ..., 2003 - link.aip.org

... an area density map method, which is commonly used to correct the **proximity** effect in electron-beam (EB) lithography, in our local **flare** intensity **calculation**. ...

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[... , energy storage, and associated photospheric velocity shear within a flare-productive active region - all 3 versions »](#)

KR Krall, JB Smith, MJ Hagyard, EA West, NP ... - Solar Physics, 1982 - Springer

... Because of the **proximity** to disk center during the ... of analysis, we wish to compare the **flare** energy output ... s⁻¹ (Table I). Substitution into Equation (2) then ...

Cited by 103 - [Related Articles](#) - [Web Search](#)

[A multithermal analysis of solar X-ray emission - all 4 versions »](#)

KP Dere, DM Horan, RW Kreplin - Solar Physics, 1974 - Springer

... and of the various atomic parameters needed in the numerous **calculations** of ionization ...

When the **flare** ... low into the corona it will be in **proximity** to material at ...

Cited by 20 - [Related Articles](#) - [Web Search](#)

[The magnetic geometry and structure of the giant post-flare arch of 21-22 May, 1980 - all 4 versions »](#)

G Poletto, RA Kopp - Solar Physics, 1988 - Springer

... preserving the arch integrity in the close **proximity** of strong ... corona above the site of the 21 May, 1980 **flare**. With this **calculation** in hand we should be able ...

Cited by 21 - [Related Articles](#) - [Web Search](#)

[X-ray flares from Sgr A: star-disk interactions? - all 10 versions »](#)

S Nayakshin, J Cuadra, R Sunyaev - Arxiv preprint astro-ph/0304126, 2003 - arxiv.org

... accretion rate plunges to very low values (eg see review by Cannizzo 1998; see also equation 13 below ... Nayakshin et al.: X-ray **Flares** and inactive disk in Sgr A* ...

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[First phase acceleration mechanisms and implications for hard X-ray burst models in solar flares - all 3 versions »](#)

DF Smith - Solar Physics, 1980 - Springer

... which two single modes in close **proximity** drive each ... of an electric field via Equation (1) does ... energy in the possibly very inhomogeneous **flare** structure will ...

Cited by 26 - [Related Articles](#) - [Web Search](#)

[Impulsive phase of flares in soft X-ray emission - all 3 versions »](#)

E Antonucci, AH Gabriel, LW Acton, JL Culhane, JG ... - Solar Physics, 1982 - Springer

... balance in the plasma; a quantity of some importance for transient **flare** analysis ... excitation of the lithium-like ions, plus a completely new **calculation** for the ...

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